## TECHNICAL SCHEDULE VI

## SEWAGE TREATMENT PLANT OPERATING DETAILS

**(To be completed by the Tenderer)**

| Sl. No | Item | Unit | Description |
|---|---|---|---|
| **Electrical Usage** | | | |
| Total Energy Consumption of the Plant for a day and month (*) | | kWh/ day | |
| | | kWh/Month | |
| * The Tenderer shall substantiate Total Energy Consumption figure of the Plant by submission of Detailed Daily and Monthly Specific Energy Consumption Calculation<br>The following factors / assumptions shall be considered by the Tenderer in arriving at the Monthly Energy Consumption figures.<br>(i) The Sewage Treatment Plant is operated at average flow (i.e.,) 150 MLD for 24 hours in a day for the entire month.<br>(ii) The Tenderer shall consider 24 hours operation for Continuous Service Equipments as listed in Section 7, Part 11-Particular Mechanical Requirements of the Bid document.<br>(iii) The Energy Consumption calculation shall be derived without considering Energy Savings due to Introduction of VFD.<br>(iv)The Tenderer shall consider appropriate efficiency factor in arriving at Working load of each equipment.<br>(v) No. of days in month shall be based on 365 days / 12months | | | |
| **Chemical Usage** | | | |
| ***Chlorine:*** | | | |
| 1. | Chlorine dosage at peak hydraulic (Peak hour) flow | mg/L | |
| 2. | Average Chlorine Dose | mg/l | |
| ***Polymer:*** | | | |
| 1. | Quantity of Sludge to be dewatered | Tons/day | |
| 2. | Average dewatering polymer dose | kg/ton of dry solids | |
| ***Alum:*** | | | |
| 1. | Average alum dose | mg/L | |

**Sewage Treatment Plant Operating Details – Quantities of Chemical Consumptions (will be considered for Financial Bid Evaluation)**

| **Sl.No.** | **Name of Chemical** | **Average Quantity (Tonnes/Year)** |
|---|---|---|
| 1 | Alum | |
| 2 | Chlorine | |
| 3 | Polyelectrolyte | |
| 4 | Chemical for Scrubbing System | |
| 5 | Any other Chemicals | |